



Joint Base Elmendorf-Richardson
COMMUNITY ENVIRONMENTAL
BOARD MEETING

Spring meeting – April 27, 2011

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Agenda



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- | | |
|--------------------------------|-------------------------------|
| ■ Administrative issues | ■ New business |
| ■ Introductions | ■ Community Survey |
| ■ Term renewals | for updated |
| | Community |
| | Involvement Plan |
| ■ Old business | ■ Weapons Release |
| ■ Alaska Forum on the | Shop Engineering |
| Environment | Evaluation and Cost |
| | Analysis (EE/CA) |
| | ■ Air Program |
| | ■ Fisheries Activities |

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Administrative Issues



- **Introductions and two new board members**
 - Mr. Jim Brown, PhD, P.G., Government Hill
 - Mr. Hugh Miller, North East Community
- **Term renewals**
 - Ms. Judy Hagler, Public Health
 - Mr. Nikos Pastos, Environmental
 - Mr. Shaun Sexton, Public At Large
 - Mr. Edward Young, Mountain View, declines
- **Resignation**
 - Mr. Jim Ricks, Eagle River

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Alaska Forum on the Environment



- **2011 Alaska Forum on the Environment**
 - Feb. 7-11 at the Anchorage Dena'ina Convention Center
- **Three members registered**
 - Mr. Shaun Sexton
 - Mr. Arthur Isham
 - Mr. Nikos Pastos



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Community Involvement Plan and Survey



- Cleanup activities conducted under Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)
- CERCLA requires Community Involvement
 - Builds citizen trust
 - Enhances lead agency credibility
 - Promotes meaningful local participation

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Community Involvement Plan and Survey



- Community Involvement Plan (formerly known as Community Relations Plan)
 - Provides public information on site conditions and cleanup activities
 - Encourages participation in environmental cleanup decisions
- Previous Community Relations Plans
 - 1992, 1993, 1996, 2000 and 2004 – Elmendorf
 - 1998 and 2004 – Richardson
- In 2010, an Interim Community Involvement Plan was prepared for Joint Base Elmendorf-Richardson

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Community Involvement Plan and Survey



- Four ways for community to participate
 - Telephone Interviews – April 26-29, 2011
 - In-Person Interviews – April 26-29, 2011
 - In writing – Return Brochure by May 3, 2011
 - Online – Complete Questionnaire by May 5, 2011 at www.surveymonkey.com/s/jber_2011_CIP_survey
- Responses will not be attributed to specific individuals
- Survey results will be compiled by BEM Systems

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Community Involvement Plan and Survey



- Path Forward
 - Survey Results Report (July 2011)
 - JBER Community Involvement Plan (August 2011)

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Weapons Release Shop EE/CA



- Restoration program F-22 Weapons Release Shop Engineering Evaluation and Cost Analysis (EE/CA)



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Weapons Release Shop EE/CA



- Planned renovations to Buildings 16718 and 17720
- Construction of addition to Building 17720
- Soil contamination found during groundwork – February 2010
 - Tetrachloroethene (PCE)
 - Trichloroethene (TCE)
 - Diesel-range organics (DRO)



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Weapons Release Shop EE/CA



- EE/CA removal action objectives
 - Reduce risk to human health and environment
 - Prevent chlorinated solvent vapors from entering facility
 - Prevent contaminants from migrating to groundwater
 - Prevent ingestion of DRO contamination

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Weapons Release Shop EE/CA



- Minimal Excavation with In Situ Treatment of Contaminated Soil
 - Excavate to minimum depth required for construction of the proposed structure
 - Install vapor barrier below proposed building addition
 - Install and operate soil vapor extraction (SVE) system
 - Air monitoring for 2 years

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Weapons Release Shop EE/CA



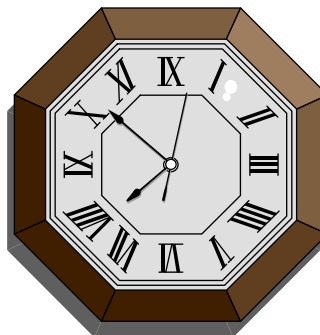
■ Project Activities

- Public meeting held March 30, 2011
- Public comments accepted until April 4, 2011
- Distribute Final EE/CA Report in April 2011
- Prepare Action Memorandum in May 2011
- Implement excavation and operation of SVE system in July 2011
- Air monitoring after building construction

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Break



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Air Quality Program



- Air permit requirements
 - Alaska Department of Environmental Conservation ADEC administers the air permit program in Alaska – 18 AAC 50
 - Permit program only addresses stationary sources
 - Boilers, emergency generators, paint booths
 - Aircraft, Humvees are mobile sources and are exempt



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Air Quality Program



- Air permit requirements
 - JBER stationary sources are grouped and evaluated by individual Standard Industrial Classification (SIC) codes
 - Some permit limitations are:
 - Generators limited to 500 hours/year
 - Low-sulfur fuels required
 - Submittal of operating reports and compliance certifications annually

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Air Quality Program



- **Impact of JBER Merge**
 - **Permits – Administrative impact only**
 - Ownership changes to JBER
 - Operations either JBER Elmendorf or JBER Richardson
 - **JBER Elmendorf**
 - Title V Permit for flightline operations
 - Owner Requested Limit for hospital boilers
 - **JBER Richardson**
 - 13 - Title 1 Minor Permits

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Air Quality Program



- **Planned Permit Actions**
 - **JBER Richardson - potential to rescind minor permits**
 - Review underway with ADEC
 - Natural gas sulfur limit is only requirement in some permits
 - Commercial pipeline quality gas meets standard making permit unnecessary
- **Greenhouse Gas**
 - 2010 Greenhouse Gas emissions below reporting thresholds (25,000 metric tons of CO₂ equivalent)

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Fisheries Management



- **JBER Fisheries Program mission from 2011 JBER Interim Integrated Natural Resources Management Plan**

- Protect, conserve, and manage fish and their habitat
- Restore damaged or degraded fish habitat
- Maintain wild, self-sustaining fish populations
- Provide fish passage for anadromous species (unless conflicts with human safety)
- Increase access for recreational fisheries



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Fisheries Management



- **Alaska Department of Fish and Game Fish Stocking Program on JBER**

- Reductions 2002 (restricted access), 2006 (power plants offline)
- No stocking 2011 while new hatchery comes on line

- **2012 Stocking Plan**

- 17,250 rainbow trout
- 4,000 king salmon
- 1,000 arctic char



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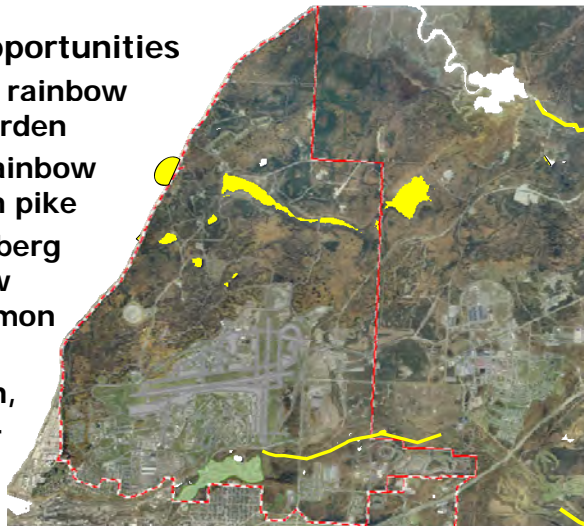


Fisheries Management



■ Sport Fishing opportunities

- Sixmile Lake – rainbow trout , dolly varden
- Otter Lake – rainbow trout, northern pike
- Green and Hillberg Lake – rainbow trout, king salmon
- Spring, Fish, Triangle, Gwen, Waldon Lake – rainbow trout



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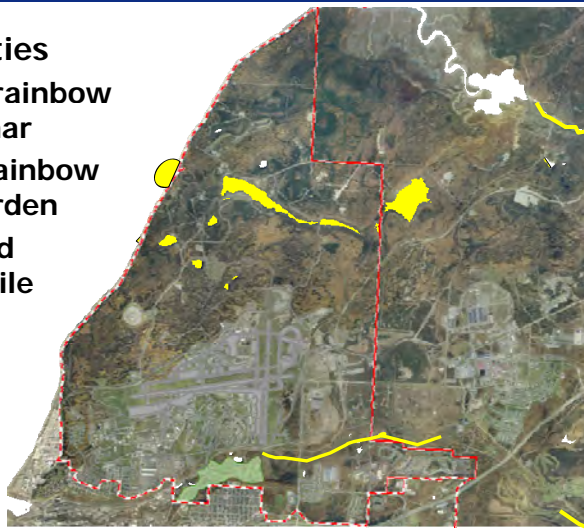


Fisheries Management



■ More opportunities

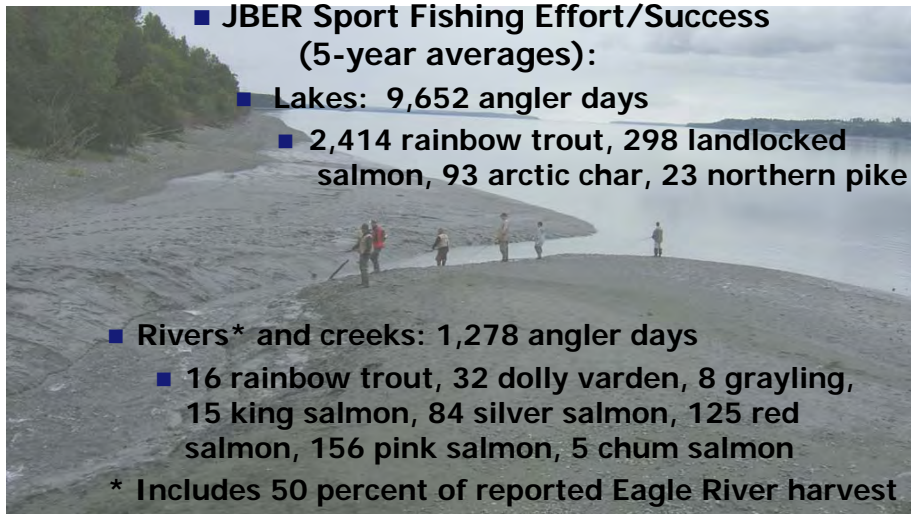
- Clunie Lake – rainbow trout, arctic char
- Ship Creek – rainbow trout, dolly varden
- Eagle River and Mouth of Sixmile Creek – All salmon and trout



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Fisheries Management



- **JBER Sport Fishing Effort/Success (5-year averages):**
 - **Lakes:** 9,652 angler days
 - 2,414 rainbow trout, 298 landlocked salmon, 93 arctic char, 23 northern pike
 - **Rivers* and creeks:** 1,278 angler days
 - 16 rainbow trout, 32 dolly varden, 8 grayling, 15 king salmon, 84 silver salmon, 125 red salmon, 156 pink salmon, 5 chum salmon
- * Includes 50 percent of reported Eagle River harvest

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Fisheries Management



- **Salmon Monitoring 2011 projects**
 - **Adult escapement - Sixmile Creek, Eagle River**
 - **Salmon smolt emigration - Sixmile Lake, Eagle River**



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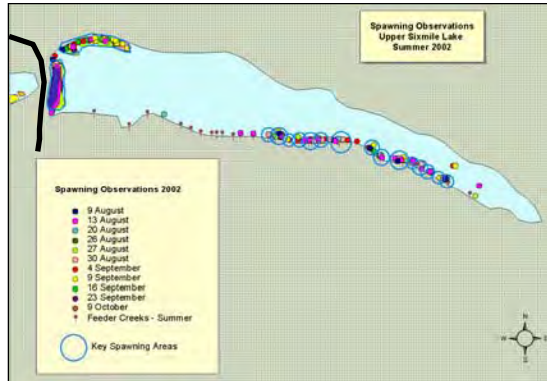


Fisheries Management



■ Research Results

- Sixmile Lake salmon spawning habitat defined
- Sixmile Lake salmon productivity



Smolt Count

| Year | Sockeye | Coho |
|------|---------|------|
| 2003 | 20,113 | 49 |
| 2004 | 6,004 | 23 |
| 2005 | 9,575 | 393 |
| 2006 | 17,221 | 204 |
| 2009 | 8,614 | 52 |
| 2010 | 4,037 | 42 |

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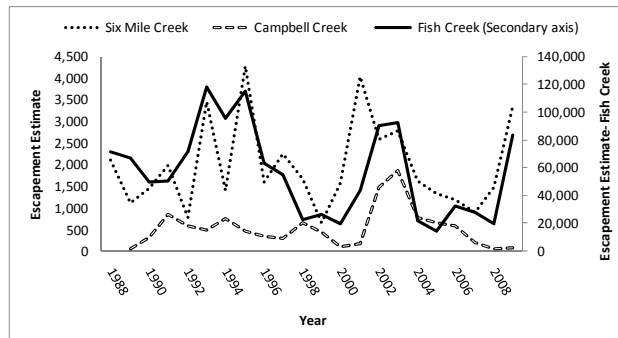


Fisheries Management



■ Research Results

- Sixmile Creek Sockeye Salmon adult annual escapement similar to Fish Creek



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Fisheries Management



- Future research

- Eagle River anadromous fish monitoring techniques, including fish wheel, videography, dual-frequency identification sonar (DIDSON), smolt screw trap
- Evaluate salmon movement through Eagle River Flats Impact Area and response to munitions impacts



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Fisheries Management



- Future Sixmile Creek drainage fish habitat enhancements

- Enhance spawning beds
- Replace fish ladder



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Fisheries Management



- Future Otter Creek drainage fish habitat enhancements
 - Remove northern pike and restock silver salmon and rainbow trout (triploid)
 - Enhance Otter Creek fish passage and spawning beds



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Future Agenda Items



- Nike Site Summit restoration and preservation
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